



*Total Solution Provider in Saw Device*

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# SA751AM

LTE , RX RF SAW Filter  
Revision 0: February. 2011

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- Electrical Characteristics
  - Package Dimensions
  - Testing Environment
  - Frequency Characteristics
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## □ Electrical Characteristics

### Maximum Ratings

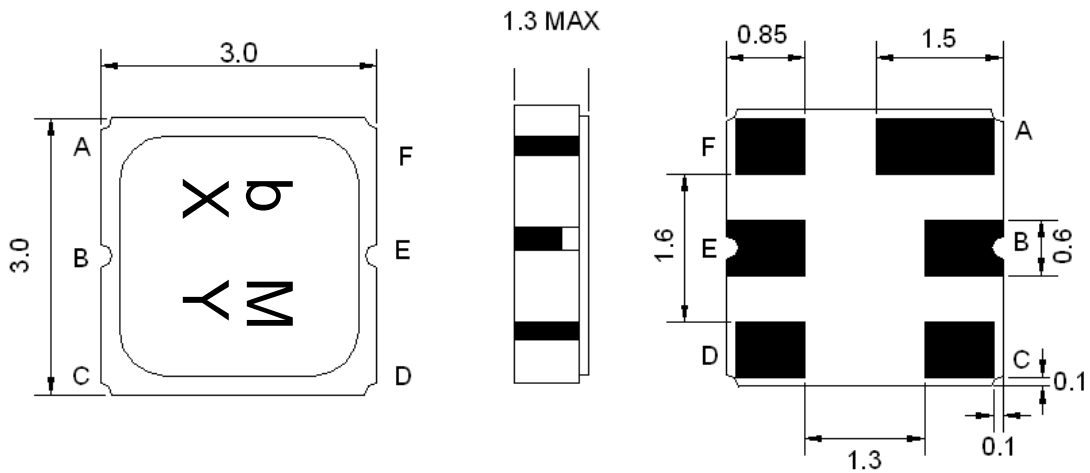
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	751.5	-
Insertion Loss within 746.0 ~ 757.0 MHz	dB	-	2.1	3.0
Amplitude Ripple within 746.0~757.0MHz	dB <sub>p-p</sub>	-	0.7	1.5
<b>Attenuation:</b>				
0.3 ~ 698.0 MHz	dB	40	50	-
698.0 ~ 716.0 MHz	dB	40	50	-
716.0 ~ 728.0 MHz	dB	40	50	-
776.0 ~ 787.0 MHz	dB	25	30	-
788.0 ~ 793.0 MHz	dB	40	50	-
793.0 ~ 805.0 MHz	dB	45	55	-
824.0 ~ 849.0 MHz	dB	45	55	-
1710.0 ~ 1755.0 MHz	dB	35	45	-
1850.0 ~ 1920.0 MHz	dB	35	45	-
VSWR within 746.0~757.0 MHz	-	-	1.5	2.0

**Notes :** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

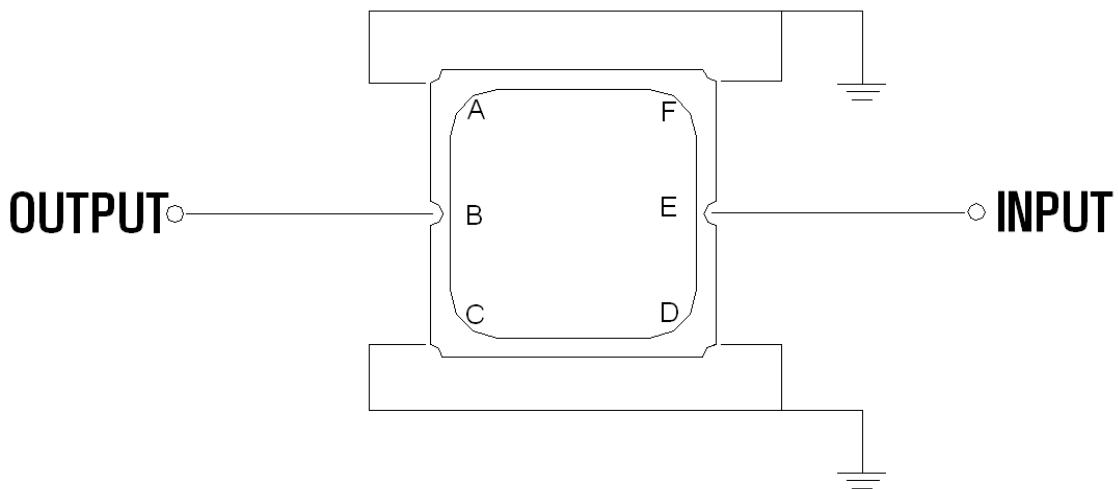
**Package Dimensions**



Marking Descriptions	
b	Wireless Application
M	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

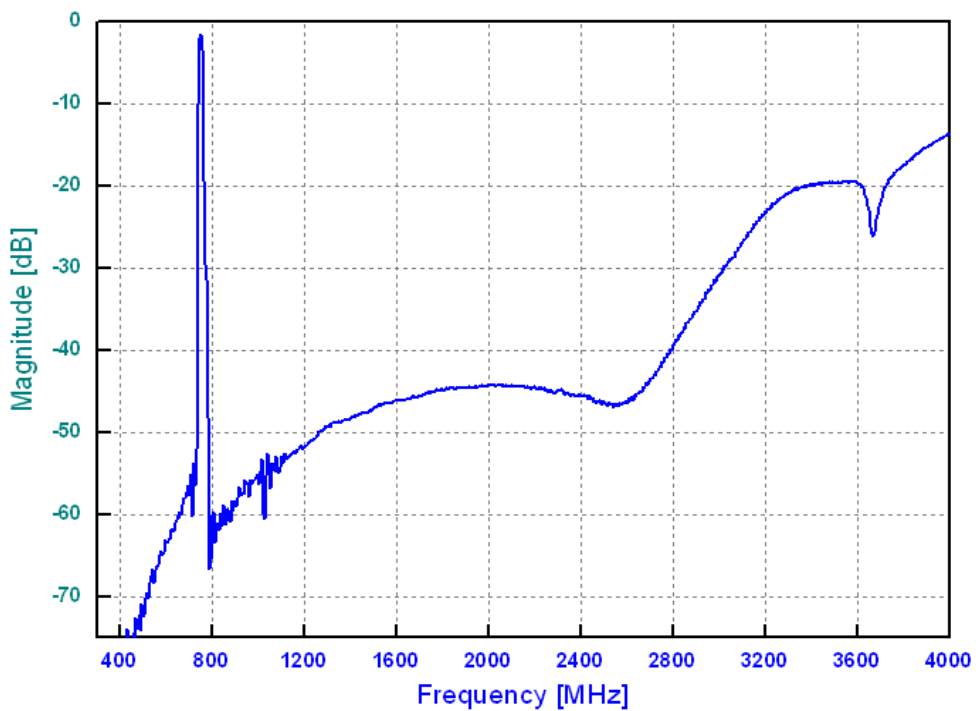
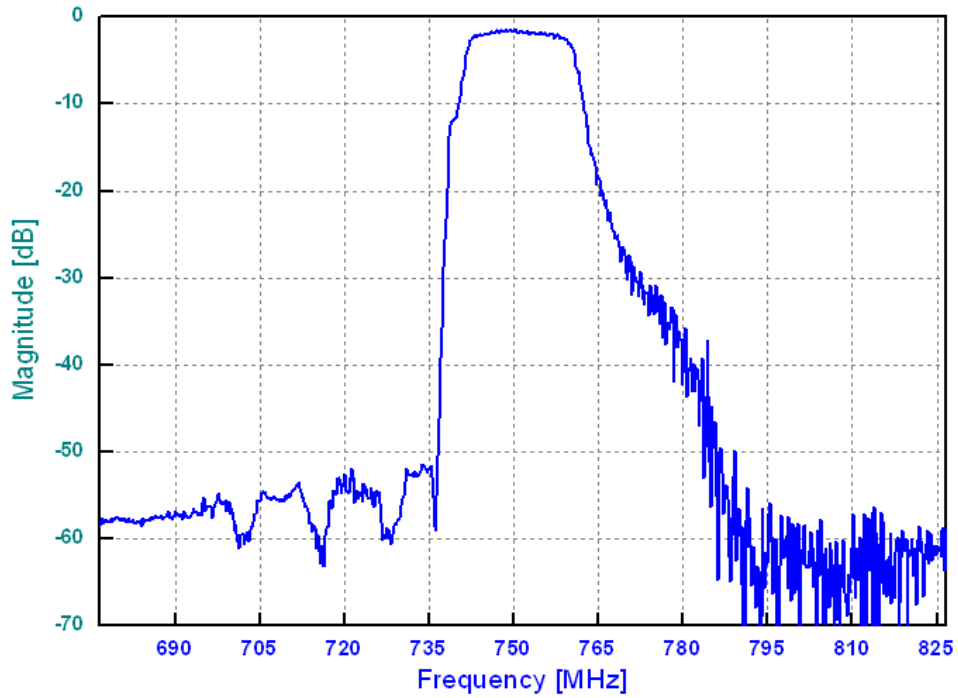
**Testing Environment**



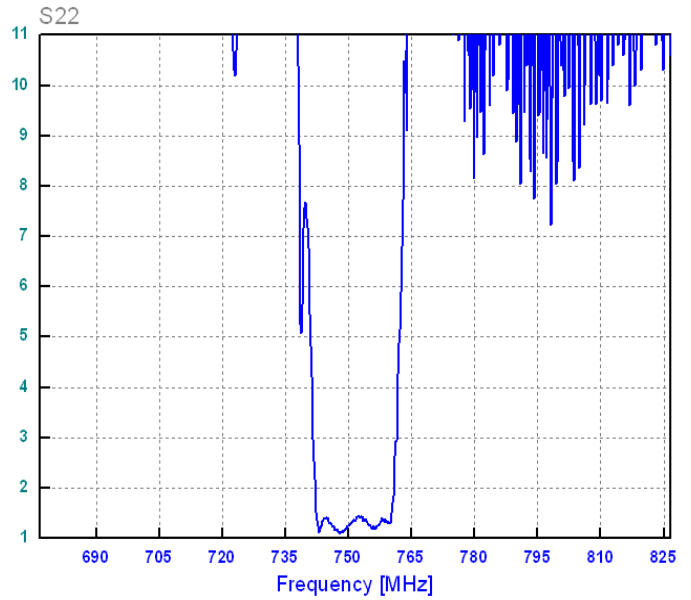
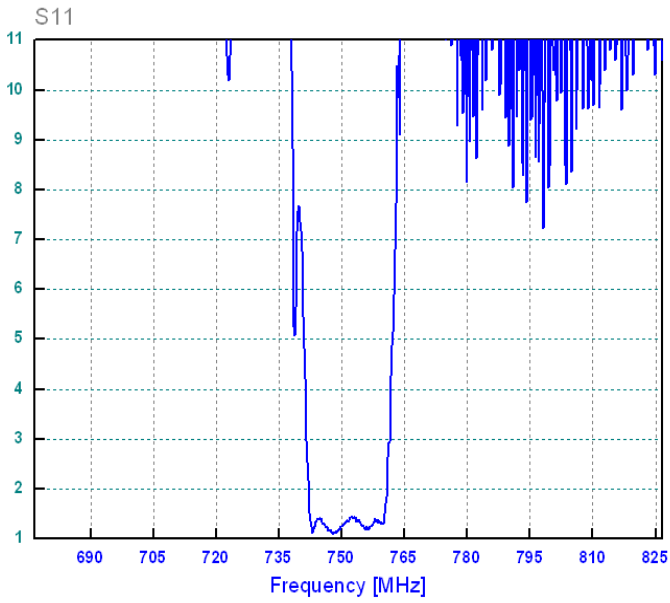
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

